

Adit 3500

QUICK START GUIDE



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QUICK START GUIDE

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Unpacking and Inspection

WARNING! OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DEVICES.

- 1. Inspect containers for damage during shipment. Report any damage to the freight carrier for possible insurance claims.
- 2. Compare packing list with office records. Report any discrepancies to the office.
- 3. Open shipping containers, be careful not to damage contents.
- 4. Inspect contents and report any damage.
- 5. If equipment must be returned for any reason, carefully repack equipment in the original shipping container with original packing materials if possible.
- 6. If equipment is to be installed later, replace equipment in original shipping container and store in a safe place until ready to install.

Electrostatic Discharge (ESD) Precautions

ESD can damage processors, circuit cards, and other electronic components. Always observe the following precautions before installing a system component.

1. Do not remove a component from its protective packaging until ready to install it.



2. Wear a wrist grounding strap and attach it to a metal part of the system unit before handling components. If a wrist strap is not available, maintain contact with the system unit throughout any procedure requiring ESD protection.

WARNING! INTEGRATED CIRCUITS (ICs) ARE EXTREMELY SUSCEPTIBLE TO ELECTROSTATIC DISCHARGE. UNLESS YOU ARE A QUALIFIED SERVICE TECHNICIAN WHO USES TOOLS AND TECHNIQUES THAT CONFORM TO ACCEPTED INDUSTRY PRACTICES, DO NOT HANDLE ICS.

The ESD warning label appears on packages and storage bags that contain static-sensitive products and components.

Installation Environment

The environment in which you are installing the Adit 3000 must meet the following conditions:

- Operating temperature range: 32° to 104° F (0° to 40° C)
- Storage temperature range: -40° to 158° F (-40° to 70° C)
- Maximum operating altitude: 10,000 ft. (3,048 m)
- Maximum non-operating altitude: 40,000 ft. (12,192 m)
- Relative humidity (non-condensing) range: 0 to 95%

WARNING! THE ADIT 3000 IS DESIGNED FOR WALL AND RACK MOUNTING ONLY. IT IS NOT DESIGNED FOR DESKTOP USE.

User Safety

CAUTION! WHEN USING YOUR TELEPHONE EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSONS, INCLUDING THE FOLLOWING:

- Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Refer to the installation section of this manual for a safe and proper installation procedure. All wiring external to this equipment should follow the current provision of the National Electrical Code.

Installation

The following are instructions for a compliant installation of the Adit 3500. Please note the following warnings, before installing the unit.

For wall and rack mount instructions, use the links listed below to the appropriate section:

- Wall Mounting
- Rack Mounting
- Battery Backup

WARNING! OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DEVICES. SEE *Electrostatic Discharge (ESD) Precautions* ON PAGE 4 FOR DETAILED INFORMATION.

WARNING! THE ADIT 3500 DS1 NETWORK INTERFACE PORTS ARE CERTIFIED WITH ACTA, INDUSTRY CANADA AND UL FOR DIRECT CONNECTION TO PUBLIC DIGITAL NETWORKS. TO PREVENT EQUIPMENT DAMAGE FROM LIGHTNING SURGES, AC INDUCTION OR POWER LINE CONTACT, UTILIZE LISTED PRIMARY PROTECTORS AT THE BUILDING ENTRANCE WITH MINIMUM 4 OHM CURRENT-LIMITING AND MAXIMUM 600V IMPULSE BREAKDOWN AT 1000V/USEC. THE ADIT 3500 DS1 PORTS COME EQUIPPED WITH SECONDARY OVERVOLTAGE AND OVERCURRENT PROTECTION. THE INSTALLATION IS REQUIRED TO MEET LOCAL OR NATIONAL ELECTRIC CODES FOR COMMUNICATION SYSTEMS.

WARNING! THE ADIT 3500 FXS INTERFACE PORTS ARE INTENDED TO SERVE INDOOR COMMUNICATION CONDUCTORS ONLY. OVERVOLTAGE AND OVERCURRENT PROTECTION IS PROVIDED TO PREVENT EQUIPMENT DAMAGE FROM LIGHTNING SURGES OR AC POWER LINE CONTACT INSIDE BUILDINGS. THE FXS PORTS ARE NOT SUITABLE FOR CONNECTION TO EXPOSED OUTDOOR COMMUNICATION CONDUCTORS.

Compliant Installation



NOTE: It is important the DS1/E1 Network Interface Cables are secured separately from the power and Signal Cables.

- 1. Inspect the unit.
- 2. Mount the unit.
 - Wall mounting installation, see *Wall Mounting* on page 9.
 - Wall mounting with Battery Backup Unit, see *Battery Backup* on page 12.
 - Rack mounting installation, see *Rack Mounting* on page 10.
- 3. Ground the unit.

WARNING! THE ADIT 3500 IS REQUIRED TO BE PERMANENTLY GROUNDED FOR THE PROTECTION OF USERS AND SERVICE PERSONNEL. REFER TO *Grounding the Unit* on PAGE 3 FOR DETAILED INSTRUCTIONS.

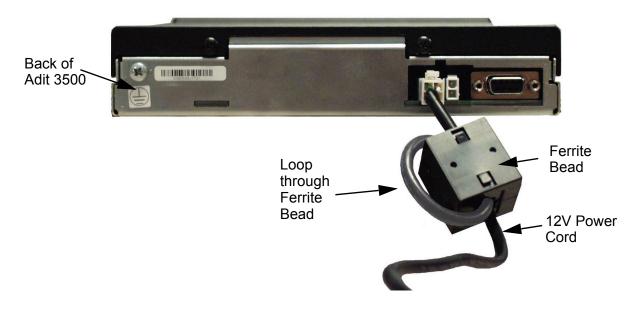
- 4. Connect DS1 (T1), and Ethernet connections as needed.
- 5. Connect RS-232 connector and connect via HyperTerm on your PC. Note: With this running before power is enabled, you can monitor the boot process.
- 6. Attach PBX and phone line cables.
- 7. Connect Power to the unit.
- 8. Monitor the boot process on your PC, when complete the status light should be green.
- 9. For any software enabled features, enter the key command. See the **key** command in the Adit 3000 CLI Reference Manual, for detailed information.
- 10. To verify use the **show version** command.
- 11. To provision the unit. See Web-Based Management on page 23, for detailed instructions.

Ferrite Beads

The following ferrite bead is required on the Adit 3500 configurations that do not have the FXS 4 channel option. The ferrite bead will enable the Adit to be compliant with EMI standards FCC Part 15 and ICES-003 Class A.

Ferrite beads shipped with Adit chassis:

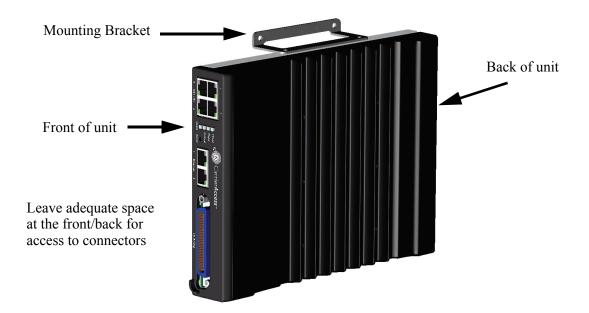
Ferrite Provided	Part Number	Intended For
1 large	P/N 010-0051	Power cable, which requires a loop through the bead (see drawing).



For additional information on Ferrite beads and their installation on the Adit 3500, please contact Carrier Access Customer Support at (800) 786-9929.

Wall Mounting

Before beginning the mounting process, verify that the installation area is a stable environment, clean and free from extremes of temperature, shock, vibration and EMI. See *Installation Environment* on page 5.



The Adit 3000 is delivered with mounting brackets that can easily be attached for quick and easy wall mounting, as shown in the illustration above.

To install the unit to the wall:

- 1. Attach the wall mount brackets to the Adit 3000, with wall attachment flange pointing away from the unit, as shown above. Attach with 4 screws provided (2 for each bracket).
- 2. Mount the unit to the wall using appropriate mounting screws (not included). Note: it is acceptable to mount on drywall with suitable anchor-type mounting screws.

NOTE: The Adit 3000 must be mounted with the brackets on the top and bottom, as shown above.

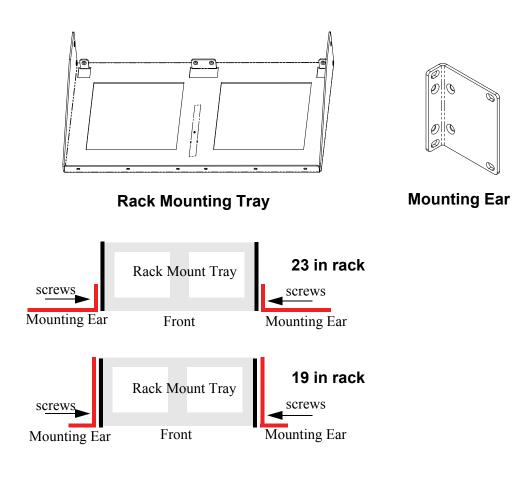
Rack Mounting

This is an Optional Feature.

NOTE: Rack mounting kits are available for both 19 and 23 inch racks. 1 Rack Unit (RU) of spacing is required above the Adit 3000 in the Rack Mount Unit.

To rack mount the Adit 3000, follow the instructions below:

1. Attach bracket ears to Rack Mounting Tray using four #10-32 x 1/4" screws on each side. The Mounting Ears can be used for both a 19 or 23 inch rack. The drawing below shows a top view of the 2 versions.



- 2. Attach the Rack Mounting Tray assembly (with mounting ears attached) to rack, using four #10-32 x 1/4" screws (two on each mounting ear).
- 3. Remove wall mount and screws, if attached, from Adit 3500 unit. Note: Adit 3500 and wall mounting bracket are not assembled from the factory.

- 4. Place the Adit 3000 on the Tray Slide and attach with the 4 screws removed in step 2.

5. Slide the assembled piece (Adit 3000 and Tray Slide) onto the installed Rack Mounting Tray.



6. Secure the Tray Slide to the Rack Mounting Tray with the attached screws on the Tray Slide.

NOTE: The mounting brackets are designed to not allow units to be mounted closer than recommended.

Battery Backup

This is an Optional Feature.

The Adit 3500 Battery Backup is designed specifically for the Adit 3500. The battery backup unit is a single 12V sealed lead-acid battery in a metal enclosure designed for wall mounting.

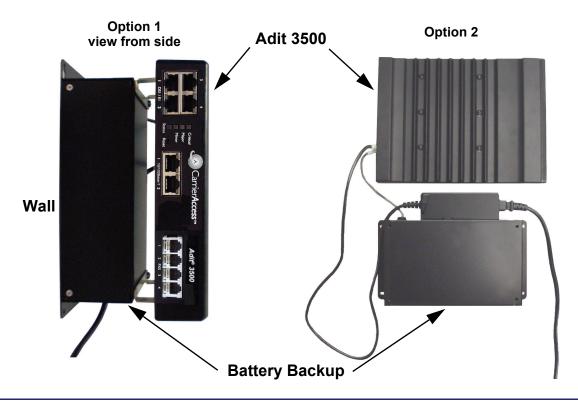


Installation

There are two possible configurations to wall mount the Adit 3500 and the Battery Backup.

NOTE: It is recommended that the BBU be mounted to a wooden backboard using (4) #6 screws, or to drywall using (4) #6 screws with anchors. These screws are not provided.

- 1. Battery Backup attached to wall, with Adit 3500 mounted on the Battery Backup
- 2. Adit 3500 and Battery Backup attached to wall.



#1 Adit 3500 mounted on top of the Battery Backup

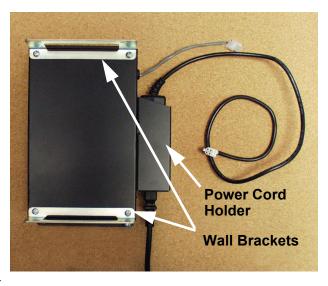
This method will use a minimal amount of wall space. Note: This installation will require a minimum wall space of space of: 9" (H) x 14" (W) x 5" (D).

- Mount the Battery Backup to the wall with (4) #6 x 1 coarse thread screws Note: Screws are not provided
 - Mark the location for the top 2 screws (using BBU mounting keyhole as a guide)
 - Screw these 2 screws into the wall at marked locations.
 Note: do not screw tight to the wall, leave 1/4" to allow BBU mounting keyholes to slip over screw head.
 - Attach the BBU by slipping the screw heads through the keyhole slots of the BBU, and let unit drop slightly to allow screwheads to enter top of the keyhole.
 - Screw bottom 2 screws into mounting holes at the bottom of the unit.
 - Tighten all screws to the wall.

2. Attach Adit 3500 Wall Mounting Brackets to the BBU. Note: Brackets are provided with the Adit 3500 unit.

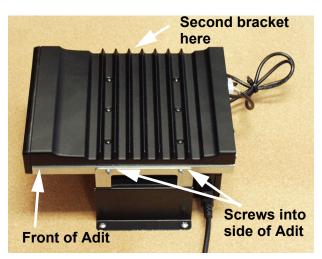
- Each bracket is attached to the outer facing side of the BBU. Note the bracket orientation in the graphic.
- 3. Insert Adit 3500 Power cord through the holder on the right. This supports the weight of the adapter portion of the power cord.
 - The connector to the wall runs out the bottom, while the connector to the Adit 3500 will run out of the top.





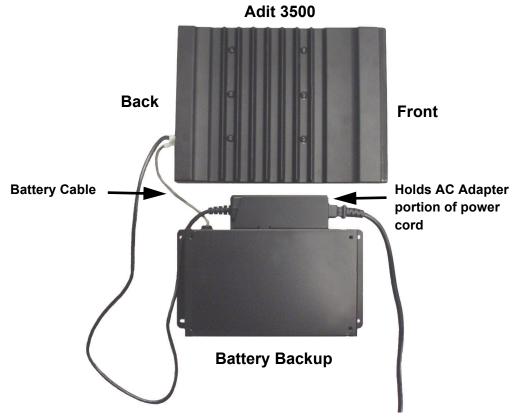
4. Attach Adit 3500 to the assembled BBU and brackets.

- Each bracket attaches to the side of the Adit 3500. Note the orientation of the Adit in the graphic.
- 5. Attach power cords.
 - Connect cord from BBU to the Adit 3500 (2 pin connector).
 - Connect 12V power cord to Adit 3500.



#2 Adit 3500 and Battery Backup mounted to the wall

This method requires a more wall space. Note: This installation will require a minimum of wall space of: 17" (H) x 14" (W) x 2.5" (D).

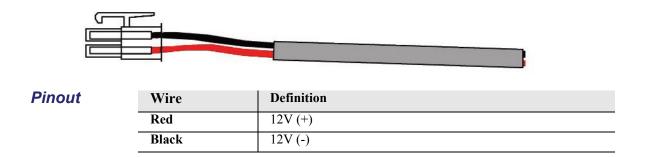


1. Mount the Battery Backup to the wall with (4) #6 screws, by:

- Mark the location of the left-side 2 screws (using the BBU mounting keyhole as a guide). Note: this installation of the BBU is oriented with the mounting keyholes to the left side.
- Screw these 2 screws into the wall at marked locations. Note: do not screw tight to the wall, leave 1/4" to allow BBU mounting keyholes to slip over screw head.
- Attach the BBU by slipping the screw heads through the keyhole slots at the left of the BBU, and slide unit to the right to allow screwheads to enter the narrow end of the keyhole.
- Screw the second set of 2 screws into mounting holes on the right of the unit.
- Tighten all screws to the wall.
- 2. Insert Adit 3500 Power cord through the holder on the top of the BBU. This supports the weight of the adapter portion of the power cord.
- 3. Attach Adit 3500 to the wall following the instructions, *Wall Mounting* on page 9. Attaching the Adit 3500 to the wall above the BBU. Note: there is a distance limit between the Adit and the BBU (note the length of the battery cable to the Adit).
- 4. Attach power cords.
 - Connect cord from BBU to the Adit 3500 (2 pin connector).
 - Connect 12V power cord to Adit 3500.

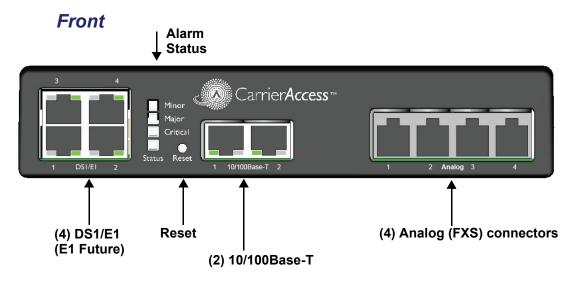
Adit 3500 Battery Backup Power Connector

The following cable, is hard wired to the Adit 3500 Battery Backup and connects the Adit 3500.



Chassis Overview

The following illustrations show all connectors on the Adit 3500.



Back



Interface Connectors

The following are the Adit 3500 interface connectors:

Note: The following is dependent upon how the system (hardware) is configured. Systems can be ordered with/without FXS, and can have from 1-4 DS1 ports.

Front of Adit

- 4 DS1 Ports (used for DS1 WAN and/or PRI/CAS trunks) (RJ-45C connector).
 - (1) T1-based WAN uses 1 or 2 DS1 ports
 - (1) PRI/CAS group uses 1 or 2 DS1 ports
- (1) 10/100Base-TX WAN port (RJ-45 connector)
- (1) 10/100Base-TX LAN port (RJ-45 connector)
- 4 FXS (RJ-11 connector)

Back of Adit

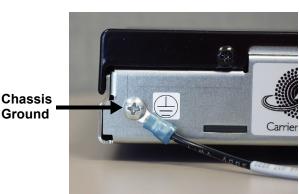
- RS-232 craft port connector for local management
- Power input connector
- Battery input connector
- Ground connector

Grounding the Unit

WARNING! THE ADIT 3500 IS REQUIRED TO BE PERMANENTLY GROUNDED FOR THE PROTECTION OF USERS AND SERVICE PERSONNEL.

Chassis ground is located on the back of the unit. To ground the unit:

- Connect a minimum 14 AWG ground wire with a #8 ring tongue terminal (not included) to the chassis ground on the back of the unit. Secure with the 8-32 screw and lock washer provided.
- Connect the opposite end of the ground wire to a suitable earth grounding point such as a building grounding electrode, metal water pipe, or metal building structure that is in compliance with article 250 of NEC.



12 VAC Power Connection

The Adit 3500 is powered by a 12 VAC Power Converter, which provides 12 VDC to the unit.





Item		Specification
Input	Rate input voltage	AC100V-240V
	Vibration input voltage range	AC90V-255V
	Frequency Rated	50-60 Hz
	Frequency Vibration	47-63Hz
	Input rated current	15A max. at 115VAC cool start 30A max. at 230VAC cool start
	Leakage current	0.25mA
	Efficiency	70% Min.
Output	Output voltage	13.5VDC
	Output max. current	2.2A <u>+</u> 150mA (V out = 9VDC-13VDC)
	Output min. current	0A (V out = 14VDC)
	Line regulation	<u>+</u> 1%
	Load regulation	<u>+</u> 5%
	Short circuit protection	Output shut down auto restart

Battery Connection

The Battery connector on the Adit 3500 is a 2 pin connector provided specifically for the Battery Backup option. See *Battery Backup* on page 10 for additional information.



DS1/E1 Connection Ports

Each DS1/E1 connection port is equipped with a standard RJ-48C (female) on the Adit 3500 unit. Note: E1 will be available in a future release.

The pinouts are as follows:

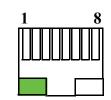
DS1/E1 RJ-48C

The pinouts are as follows:

Pin	Name	Description
1	Receive Ring	Receive from DS1 network
2	Receive Tip	Receive from DS1 network
3	N/C	Not connected
4	Transmit Ring	To DS1 network
5	Transmit Tip	To DS1 network
6 -8	N/C	Not connected

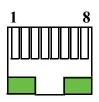
The LEDs are as follows (left LED only):

State	Description
Off	Off line
Green	Normal
Red	Loss of Signal (LOS)
Yellow	Bipolar Violation (BPV)
Flashing Green	Loopback active
Flashing Yellow	Yellow Alarm (Remote Alarm Indication)
Flashing Red (Slow)	Loss of Frame (LOF) or Alarm Indication Signal (AIS)
Flashing Red (Fast)	Self-test Failure



10/100Base-TX Ethernet

The 10/100Base-TX Ethernet (female) ports provide connectivity for Router WAN and/or LAN ports and for management connection via Telnet and/or SNMP to a Network Management System.



Ethernet (RJ-45)

The pinouts are as follows:

Note: This is a hub pinout, you will need a straight cable to connect to a PC.

Pin	Name	Description
1	Receive +	Receive from network
2	Receive -	Receive from network
3	Transmit +	Transmit to network
4-5	N/C	Not connected
6	Transmit -	Transmit to network
7-8	N/C	Not connected

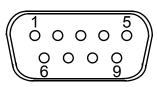
The LEDs are as follows:

LED	State	Description
Left LED	The left LED shall show	w Link Status.
	Off	Link Down
	Green	Link Up
	Flashing Green	Traffic on Link
	Yellow	Collision status
Right LED	The right LED shall inc	licate Link Speed.
	Off	10 Mbit/sec, down or not connected
	Green	100 Mbit/sec

RS-232 Craft Port (Female DB-9)

The RS-232 craft port connector (female) is for connection to an external PC or Hayes-compatible modem for local or remote configuration, management, and performance monitoring using the Adit 3500 Command Line Interface (CLI).

The RS-232 craft port connects via a female DB-9 connector on the Adit 3500.



Pin	Direction	Description
1	Outbound	Carrier Detect
2	Outbound	Receive Data
3	Inbound	Transmit Data
4	Inbound	Data Terminal Ready
5	N/A	Signal Ground
6	Outbound	Data Set Ready
7	Inbound	Request to Send
8	Outbound	Clear to Send
9	N/C	Not connected

The pinouts are as follows:

RJ-11 Connector

There are four RJ-11 (female) connectors for the FXS ports.

The pinouts are as follows:

Pin	Name	Description
1 - 2	N/C	Not connected
3	R	Ring
4	Т	Tip
5 - 6	N/C	Not connected

Reset Button

The system can be reset by pressing the reset button located on the front panel.



Alarm/Status LEDs

LED	State	Description
Critical	Off	No critical alarms present
	Red	Critical alarms present. Critical alarms include: user-configured manor environmental inputs.
Major	Off	No major alarms present
	Red	Major alarm present. Major alarms include: user-configured manor environmental inputs, DS1 short, DS1 open, DS1 facility alarm, DS1 RAI, DS1 AIS, DS1 LOF, DS1 LOS, WAN fault, Ethernet fault and dead card alarms.
Minor	Off	No minor alarms present
	Red	Minor alarms present. Minor alarms include: user-configured manor environmental inputs, DS1 excessive line code violations.
Status	Off	No power to system
	Green	Application running, no detected system problems.
	Green Flashing	Power-On Self Test (POST) successful. System booted. Loading Application.
	Green/Yellow	Flashing alternate colors. Application Self Test in Process.
	Yellow	Yellow while booting. If this stays a steady yellow the Power-On Self Test (POST) failed.
	Yellow Flashing	Power-On Self Test (POST) In Process.
	Red	System Failure

Web-Based Management

The web-based management interface allows you to control various system parameters. The interface is accessed through a web browser.

To access the management console:

NOTE: The following assumes that you have connected the PC to the LAN port of the Adit 3500.

 Launch a web browser on your PC in the LAN to which the Adit 3500's LAN port is connected. Note: If connection to the 3500 is to be through an Ethernet or T1 WAN, the remote admin WAN access must be enabled with the following command sequence:

Command	Description
Username: admin	Log into the system (username and password).
Password: ******	
Adit 3500> enable	Enter the Privileged mode.
Password: ******	Enter password for the Privileged mode.
#configure terminal	Enter the Configuration mode.
(config)# remote-admin web primary-port enable	Enable remote web admin.

- 2. Type the Adit 3500's IP address or name in the address bar. Example: http://192.168.1.1.
 - Default IP address is http://192.168.1.1
 Note: to display the current IP address of the systems, use the following CLI command: #show interface ethernet 1 (LAN)
 #show interface ethernet 2 (Eth WAN)
- Login to the unit. Enter User Name and Password. Note: these setting should be changed from the default settings after the initial login.
 - Default user name is **admin**
 - Default password is **admin 123**

NOTE: After a few minutes of inactivity, the session will automatically timeout and the operator will be required to log in to continue the session.

WARNING! IF YOUR USER NAME AND PASSWORD ARE SET TO THE DEFAULT SETTING, IT IS RECOMMENDED THAT YOU MODIFY THEM FOR SECURITY PURPOSES.

Setting up a CLI Connection

A CLI connection will require the LAN or WAN IP address of the unit. Note: If the WAN IP address is used, the remote admin WAN access must be enabled with the following command sequence:

Command	Description
Username: admin	Log into the system (username and password).
Password: ******	
Adit 3500> enable	Enter the Privileged mode.
Password: ******	Enter password for the Privileged mode.
#configure terminal	Enter the Configuration mode.
(config)# remote-admin web primary- port enable	Enable remote web admin.

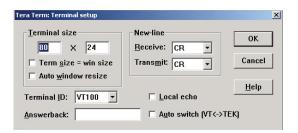
NOTE: For Adit 3500 CLI commands see the *Adit 3000 CLI Reference Manual.* This is a separate document and can be found on the CD that is provided with the product, or on the Carrier Access customer website.

To connect with CLI, set up the connection:

- If connecting via the Ethernet 100Base-TX connection, use a Telnet TCP/IP program to access the CLI. This requires an IP address of the unit. Note: to display the current IP address of the unit, use the **ifconfig** command.
- If connecting via RS-232, the port settings should be set to: Bits per second: 115200 Data bits: 8 Parity: None Stop bits: 1 Flow control: None
- Set your Terminal Emulation to: VT100

NOTE: When using Tera Term (Telnet program) TCP/IP, CLI commands will not be recognized until the following setup is completed.

- In Tera Term go to **Setup/Terminal**
- Set the New-line/Transmit value CR+LF



Log in

After successful connection, via telnet or HyperTerm, the user must login. Default Logins are:

Login: admin

Password: admin123

After successful login the prompt will be displayed as follows:

Adit 3500>

NOTE: It is recommended that you change your password from the default.

Key Enabled Software Features

The Adit 3500 has additional features that are not provided on the base system. These features can be purchased with the product or added later as needed. These features are enabled via a Software Key (example: G.729). The number of keyed features may expand with the development of the product, therefore to see a list of current keyed features, or to purchase a key, contact Carrier Access Customer Service or Sales.

To enter a software key, use the following CLI command:

```
Syntax: (config)# key key-code
Example: (config)# key cxusdfutkj3diosn412C
```

NOTE: Keys may only be entered through the CLI (not through the GUI).

	Technical Information	
Application Version:	1.5.0.24	
Compilation Time:	Thu Jun 14 2007 18:07:22	
FPGA Version:	1.00	
Slot One:	FXS Card Present: Rev 3.00	
Board Version:	5 003-1215-0300	
Software Release:	1_4 SQA4_1	
MSP:	82530 - 60 channels	
Image File Name:	TGW_v5_05.axf	
API Version:	2.1.0	
Source IP Address:	192.168.1.1	
Enabled Features:	SIP,G729A	

The Key Enabled Software Features are displayed on the Advanced/Technical Information window.

This information is also displayed with the following CLI command:

```
Adit 3500> show version
Application Version: 1.5.0
Compilation Time: Thu Jun 14 2007 18:07:22
FPGA Version: 1.00
Board Version: 5 003-1215-0300
IXP400 Software Release: 1_4 SQA4_1
MSP:
    82530 - 60 channels
    Image File Name: TGW_v5_05.axf
   API Version : 2.1.0
    Source IP Addr : 192.168.1.1
Voice Slot 1 : FXS Card Present: Rev 3.00
Vendor: Carrier Access
CLEI Code: IPMHX00LRA
Product Features:
SIP enabled.
G729A enabled.
```

Basic Configuration

The following configuration is divided into logical sections, where each section configures an additional function. The first must be configured before the second and so forth, however, you may stop at any section and not add the following feature.

NOTE: The order in which commands are entered can affect the successful provisioning of the Adit 3500.

- Setup Adit 3500 for access via Web-Browser
- Restore Factory Defaults
- Modify Default Admin User
- Configure WAN Interface for Internet Connectivity
- Configure the Adit 3500 as a SIP Gateway

Setup Adit 3500 for access via Web-Browser

The following steps will configure the Adit 3500 to allow access to the Web Browser for configuration, through the LAN (1) or WAN (2) 10/100Base-T Ethernet connections.

Note: for LAN access, no additional configuration is required to access the Adit using the web browser. To configure the WAN access:

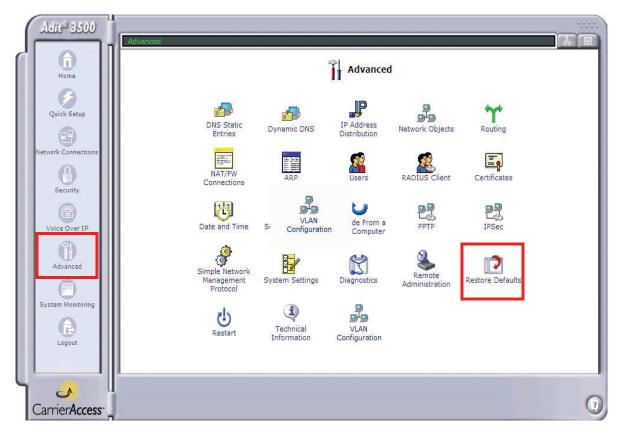
- 1. Connect to the CLI via the DB-9 RS-232. See Setting up a CLI Connection on page 24.
- 2. Enable the remote admin WAN access with the following command sequence:

Command	Description
Username: admin	Log into the system (username and password).
Password: ******	
Adit 3500> enable	Enter the Privileged mode.
Password: ******	Enter password for the Privileged mode.
#configure terminal	Enter the Configuration mode.
(config)# remote-admin web primary-port enable	Enable remote web admin.

Restore Factory Defaults

If the unit is not out-of-the-box, you may want to verify that the unit is set to defaults. Note: this will reset the IP address back to the default setting of 192.168.1.1. In the web-browser:

- Select Advanced from the Navigation bar
- Select Restore Defaults



• Select **OK** to restore defaults

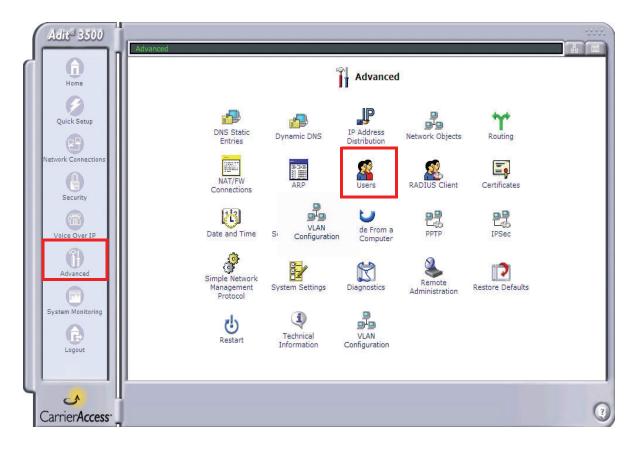
Advanced -> Restore Defaults	
Restore Defaults	
Attention	
The following items will be set to default:	
 User Defined Settings Network Connections (All connected DHCP clients will need to request new IP addresses) 	
Also, Adit 3500 will have to reboot.	
Are you sure you want to restore Adit 3500 manufacturer defaults?	

Modify Default Admin User

For security purposes it is recommended that the Administrator User be changed from the default settings.

Modify the Administrator User in the web-browser:

- Select Advanced from the Navigation bar
- Select Users icon



• Select Administrator, to open the profile.

Users			
Full Name	User Name	Permissions	Action
Administrator	admin	Administrator Privileges Operator Privileges Monitor Privileges Remote Access by PPTP	-
New User			E

Modify the User information, and select OK to save. It is important to note that you need to have a minimum of one user with Administrative Privileges. For users with other access levels, use the New User to add additional users on the system.

Note: For security purposes, the password should be changed from the default setting.

General	
Full Name:	Administrator
User Name (case sensitive):	admin
New Password:	•••••
Retype New Password:	•••••
Permissions:	 Administrator Privileges Operator Privileges Monitor Privileges Remote Access by PPTP
E-Mail	Configure Mail Server
Address:	
System Notify Level:	None
Security Notify Level:	None
С 🗸 ОК	X Cancel

• You will be required to login again, if you have modified the User Profile that you are logged in with.

	(Attention
.ogged In User:	User admin is currently logged in. Applying changes will require him to re-login.
	Press OK to confirm.
	✓ OK X Cancel

Configure WAN Interface for Internet Connectivity

There are options to this WAN configuration. This is the connection to the end user's internet provider. It can be the following:

- Single T1 (PPP)
- Multiple T1s (Multilink)
- Ethernet WAN

Single T1 (PPP)

To configure a single T1 utilizing PPP:

- 1. Select Network Connections from the Navigation bar.
- Select (click) a T1 Interface (from T1 1 T1 4) to configure, T1 1 is recommended. Note: Using T1 1 and the preconfigured Serial 1 makes this configuration very simple. If you use T1 2-T1 4, you will need to delete the preconfigured Serial 1 and make a New Connection (Serial 1) based on the T1 2-T1 4 that you selected.

Name	Status	Action
б ті і	Connecting (Alarm Condition)	-
d T1 2	Connecting (Alarm Condition)	
🖸 т1 з	Connected	-
б т1 4	Connected	
🖌 Serial 1	Disconnected	🚽 🖶
🖌 Ethernet 2	Disabled	.
🖌 Ethernet 1	Connected	.
New Connection		E X
	Quick Setup Status	

3. Select the **Settings** button.

	T1 1 Properties
	Disable
Name:	T1 1
Device Name:	t1-1
Status:	Connecting (Alarm Condition)
Network:	WAN
Connection Type:	Т1
Transmit Status:	Yellow Alarm
Receive Status:	LOS

4. Set the proper **Framing Type** and **Line Coding.**

Network Connections -> Connection Properties -> Con	nfigure Connection
្រី co	onfigure T1 1
General	
Device Name:	t1-1
Status:	Connecting (Alarm Condition)
Schedule Availability:	Always New
Connection Type:	Т1
T1 Configuration	
Circuit Identifier:	Adit 3500
Framing Type:	ESF 🗸
Line Coding:	Binary 8 Zero Substitution line coding (B8ZS)
Loop Code Detection:	off
Facilities Data Link:	None
Line Build Out:	DSX-1 equalization for 0-133ft
Apply Loopback to DS1 Interface:	none (Loopback disabled)
Idle Pattern:	0x7f
Daily Threshold Settings	
Bursty Errored Seconds Defect Threshhold (BES):	0
Controlled Slip Seconds Defect Threshold (CSS):	0
Degraded Minutes Threshold (DM):	0

- 5. Select **OK** to apply the new settings and exit this window.
- 6. Select **OK** again to return to the **Network Connections** window.

7. Select (click) the **Serial 1** connection.

Present Connections		
Name	Status	Action
б ті і	Connecting (Alarm Condition)	.
б т1 2	Connecting (Alarm Condition)	.
б т1 з	Connected	.
б т1 4	Connected	.
Serial 1	Disconnected	🖶 🖶
Ethernet 2	Disabled	.
Ethernet 1	Connected	a
lew Connection		

8. Select the **Settings** button.

Serial 1 Properties		
	Disable	
Name:	Şerial 1	
Device Name:	ser-1	
Status:	Disconnected	
Network:	WAN	
Underlying Device:	T1 1	
Connection Type:	PPPoT1	
IP Address:		
Subnet Mask:	255.255.255.255	
User Name:		
Channel Start:	1	
Channel End:	24	
Received Packets:	0	
Sent Packets:	0	

- 9. Set the following on the **Configure Serial 1** window:
 - Network Type to WAN (this is the default setting)
 - PPP Authentication to your required preferences

Network Connections -> Connection Properties -> Conf	gure Connection	
ج conf	igure Serial 1	
General		
Device Name:	ser-1	
Status:	Disconnected	
Schedule Availability:	Always Net	W
Network:	WAN 💌	
Connection Type:	PPPoT1	
MTU:	Automatic 💙 1500	
Underlying Device:	T1 1	
РРР		
On Demand (will attempt to connect only when packets an	e sent)	
Time Between Reconnect Attempts:	3 Seconds	
Restart Timer (Seconds):	3 Seconds	
PPP Authentication		
Login User Name (case sensitive):		
Login Password:	•••••	
Support Unencrypted Password (PAP)		
Support Challenge Handshake Authentication (CHAP)		
Support Microsoft CHAP (MS-CHAP)		
Support Microsoft CHAP Version 2 (MS-CHAP v2)		
PPP Encryption		
Require Encryption (Disconnect If Server Declines)		
Support Encryption (40 Bit Keys)		
Support Maximum Strength Encryption (128 Bit Keys)		

- 10. Select **OK** to apply the new settings and exit this window.
- 11. Select OK again to return to the Network Connections window.

Multiple T1s (Multilink)

To configure Multiple T1s utilizing Multilink PPP:

- 1. Select Network Connections from the Navigation bar.
- 2. Select (click) a **T1 Interface** (from T1 1 T1 4) to configure.

Name	Status	Action
• T1 1	Connecting (Alarm Condition)	
• T1 2 • T1 3	Connecting (Alarm Condition)	
397 - 196.6385		
б ті 4	Connected	
Serial 1	Disconnected	🖻 🖶
🖌 Ethernet 2	Disabled	
🖌 Ethernet 1	Connected	.
New Connection		er e

3. Select the **Settings** button.

	Disable
Name:	T11
Name: Device Name:	t1-1
Status:	Connecting (Alarm Condition)
Network:	WAN
Connection Type:	T1
Transmit Status:	Yellow Alarm
Receive Status:	LOS

4. Set the proper **Framing Type** and **Line Coding.**

Network Connections -> Connection Properties -> Con	nfigure Connection
្ត្រី Co	onfigure T1 1
General	
Device Name:	t1-1
Status:	Connecting (Alarm Condition)
Schedule Availability:	Always Nev
Connection Type:	T1
T1 Configuration	
Circuit Identifier:	Adit 3500
Framing Type:	ESF 💌
Line Coding:	Binary 8 Zero Substitution line coding (B8ZS) 🐱
Loop Code Detection:	off
Facilities Data Link:	None
Line Build Out:	DSX-1 equalization for 0-133ft
Apply Loopback to DS1 Interface:	none (Loopback disabled) 💌
Idle Pattern:	0x7f
Daily Threshold Settings	
Bursty Errored Seconds Defect Threshhold (BES):	0

- 5. Select **OK** to apply the new settings and exit this window.
- 6. Select OK again to return to the Network Connections window.
- 7. Repeat steps #1-6 for additional T1s required for the ML-PPP
- 8. Select (click) the delete icon associated with the **Serial 1** connection. Select **OK** to confirm the deletion of this connection.

Present Presen				
Name	Status	Action		
б ті і	Connecting (Alarm Condition)	.		
б т1 2	Connecting (Alarm Condition)	.		
б т1 з	Connected	.		
б т1 4	Connected	.		
🖌 Serial 1	Disconnected	9		
Ethernet 2	Disabled			
Ethernet 1	Connected	.		
New Connection		.		

9. Select (click) New Connection to create the ML-PPP connection.

	Provide a connections	
Name	Status	Action
б ті і	Connecting (Alarm Condition)	.
б т1 2	Connecting	.
бті з	Connected	-
б т1 4	Connected	.
Ethernet 2	Disabled	
f Ethernet 1	Connected	
lew Connection		.

10. Select the Multilink Point-to-Point Protocol over DS0 (Multilink), and select Next.

Network Connections -> New Connection	
Prev Connection	
Choose your connection type:	
O Point-to-Point Protocol over DS0 (Serial)	
Connect to the Internet using a PPP tunnel over HDLC.	
Multilink Point-to-Point Protocol over DSO (Multilink)	
Connect to the Internet using a MLPPP tunnel over HDLC.	
O Point-to-Point Tunneling Protocol (PPTP)	
Enable secure transfer of data to another location over the Internet.	
O Point-to-Point Tunneling Protocol Server (PPTP Server)	
Enable Virtual Private Network (VPN) connections to your home network from other locations.	
O Layer Two Tunneling Protocol (L2TP)	
Enable secure transfer of data to another location over the Internet.	
O Internet Protocol Security (IPSec)	
Enable secure transfer of data to another location over the Internet, using private and public keys for encryption, and digital certificates for authentication.	

- 11. Enter User Name and Password.
- 12. Select the T1s for this Multilink and the channel ranges.
- 13. Select Next.

Notwork Connections in New Connection in M	ulti Link Point-to-Point Protocol over DS0 (Multilink)
Multi Link Point-	to-Point Protocol over DS0 (Multilink)
Configure your Multilink connec	tion properties:
Login User Name (case sensitive): user1
Login Password:	•••••
Connection	
□ T1 1	Channel Start 1
	Channel End 24
X T1 2	
	Channel Start 1
VT1 3	Channel End 12
	Channel Start 1
T1 4	Channel End 12
< Back	Next > X Cancel
	(

14. A summary of the Multilink connection will be displayed. If correct, select Finish.

	10000
Network Connections -> New Connection -> Multi Link Point-to-Point Protocol over DS0 (Multilink) -> Connection Summary	
er Connection Summary	
You have successfully completed the steps needed to create the following connection:	
 MLPPP tunnel over HDLC protocol User Name: user1 Connection: T1 3 (1 - 12) Connection: T1 4 (1 - 12) 	
Press Finish to create the connection.	
Sack Finish Cancel	

- 15. The new Multilink connection will display on the Network Connections window.
- 16. Select (click) the **Multilink 1** connection.

Name	Status	Action
б ті і	Connecting (Alarm Condition)	.
б [•] т1 2	Connecting	-
б ті з	Connecting	
б т1 4	Connected	-
6 Ethernet 2	Disabled	.
6 Ethernet 1	Connected	.
🖌 Multilink 1	In Progress	P
New Connection		₽

17. Select the **Settings** button.

	Iultilink 1 Properties
	Disable
Name:	Multilink 1
Device Name:	mlink-1
Status:	Connected - 2 links
Network:	WAN
Underlying Device:	T1 3 T1 4
Connection Type:	MLPPPoT1
IP Address:	Unnumbered
Subnet Mask:	
Default Gateway:	192.168.1.150
User Name:	admin
QOS Interleaving:	disabled
Link Fragmentation:	1600
Received Packets:	68
Sent Packets:	69

- 18. Set the following on the **Configure Multilink 1** window:
 - Network Type to WAN (this is the default setting)
 - PPP Authentication to your required preferences

Network Connections -> Connection Properties -> Configure	Connection 🔒 🗐
💕 Configu	ıre Multilink 1
General	
Device Name:	mlink-1
Status:	Connected - 2 links
Schedule Availability:	Always New
Network:	WAN 💌
Connection Type:	MLPPPoT1
MTU:	Automatic 💽 1500
Underlying Device:	T1 3 T1 4
PPP	
QOS Interleaving	
Link Fragmentation:	1600
PPP Authentication	
Login User Name (case sensitive):	admin
Login Password:	•••••
Support Unencrypted Password (PAP)	
Support Challenge Handshake Authentication (CHAP)	
Support Microsoft CHAP (MS-CHAP)	
Support Microsoft CHAP Version 2 (MS-CHAP v2)	
PPP Encryption	
Require Encryption (Disconnect If Server Declines)	
Support Encryption (40 Bit Keys)	
Support Maximum Strength Encryption (128 Bit Keys)	
Internet Protocol	Unnumbered
DNS Static Entries	Obtain DNS Server Address Automatically 💌

- 19. Select **OK** to apply the new settings and exit this window.
- 20. Select OK again to return to the Network Connections window.

Ethernet WAN

To configure the WAN utilizing Ethernet feed:

- 1. Select Network Connections from the Navigation bar.
- 2. Select (click) the delete icon associated with the **Serial 1** connection. Select **OK** to confirm the deletion of this connection.

Home		Present Connections	
	Name	Status	Action
Ouick Setun	б ті і	Connecting (Alarm Condition)	
	6 T1 2	Connecting (Alarm Condition)	
twork Connections	б ті з	Connected	.
	б [′] т1 4	Connected	-
Security	🖌 Serial 1	Disconnected	曼 吴
	Ethernet 2	Disabled	
Voice Over IP	6 Ethernet 1	Connected	.
	New Connection		.
Advanced			

3. Select (click) the **Ethernet 2** (WAN Ethernet) connection to configure.

Name	Status	Action
d T1 1	Connecting (Alarm Condition)	.
б т1 2	Connecting	.
б тіз	Connected	.
б т1 4	Connected	-
🖌 Ethernet 2	Disabled	-
ال Ethernet 1	Connected	-
New Connection		e *

- 4. Select the **Enable** button, to configure the WAN Ethernet up (or in-service).
- 5. Select the **Settings** button.

Jetwork Connections -> Connection Pr	_	t 2 Properties
Name:		Enable
Device Name:		eth-2
Status:		Disabled
Network:		WAN
Connection Ty	pe:	Ethernet
MAC Address:		00:e0:97:ff:ff:fd
IP Address:		DHCP Unassigned
IP Address Dis	stribution:	Disabled
√ ок	Y Apply	Cancel Settings

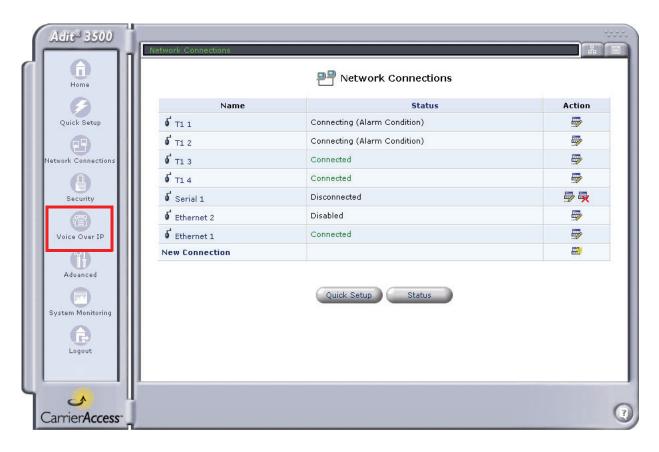
- 6. Set Network type to WAN.
- 7. Set Internet Protocol option (method of IP address assignment).

	0000
<u>Network Connections</u> -> Connection Properties ->	> Configure Connection
៤	Configure Ethernet 2
General	
Device Name:	eth-2
Status:	Disabled
Schedule Availability:	Always New
Network:	WAN 💌
Connection Type:	Ethernet
MTU:	Automatic 🔽 1500
Speed/Duplex:	Auto
Internet Protocol	Obtain an IP Address Automatically 💌
Override Subnet Mask:	0.0.0
DHCP Option Auto Provision	
DNS Static Entries	Obtain DNS Server Address Automatically
IP Address Distribution	Disabled 💌
Routing	
Routing Mode:	NAPT
SIP ALG	
Device Metric:	40

- 8. Select **OK** to apply the new settings and exit this window.
- 9. Select **OK** again to return to the **Network Connections** window.

Configure the Adit 3500 as a SIP Gateway

1. Select Voice Over IP from the Navigation bar.



- 2. On the IP Telephony tab, under Proxy Servers:
 - Set Proxy Type to Generic/custom (BroadSoft or Sylantro). Example: BroadSoft
 - Select Use SIP Proxy and enter SIP Proxy IP address
 - Select supported Codecs

	Voice Over IP
Phone Phone Line Settings Book Monitoring	Trunk Trunk Settings Monitoring Registration
Dialing Parameters	
Dialing Timeout:	5 Seconds
Phone Number Size:	10 Digits
Digit Map	
FXS Digit Map	Disabled
Short Timeout (1-10 sec):	4 Seconds
Long Timeout (4-60 sec):	16 Seconds
Gateway IP Address	
Gateway IP Address:	0.0.0.0
VoIP Signaling Protocol	SIP
Audio RTP Base Port:	28000
Send DTMF Out-Of-Band	
SIP Transport Protocol:	UDP 💌
SIP Port:	5060
Proxy Servers	
Ргоху Туре:	BroadSoft 11.1 Info Mode 💌
Route Direct Phone Entries in Phonebo	ok Through Proxy
Enabled/Disable	IP/DNS Address
✓ Use SIP Proxy	192.168.100.100
Port:	5060
Use SIP Outbound Proxy	0.0.0
Port:	5060
Codecs	·
Supported Codecs	Packetization Time
🔽 G.711, 64kbps, u-Law	20 💌
🗹 G.711, 64kbps, A-Law	20 💌
🗹 G.729A, 8kbps	20 💌

- 3. Select **Apply** to save the new settings.
- 4. Select the **Advanced** button.

5	Modify any	advanced V	VoIP settings	as needed and	l select Apply.
υ.	into any any	uuvuneeu	von seems	us necuca and	· Sereet rippige

SIP Interop	
Calling Feature Mode:	Local
Privacy Mode:	None
Enable PRACK:	Enabled
SIP Early Media	
Early Media:	Auto 💌
SIP Session Timer	
Mode:	Disabled 💌
Refresher:	UAC 💌
Timeout:	1800
IP Packet Priority	
SIP TOS:	0xdc (HEX)
RTP TOS:	0xb8 (HEX)
FXS Signaling	
Calling Party Disconnect (CPD) Duration:	900
Features	
Sylantro Centralized Conferencing:	Enabled
Registration	
Number of Registrations Per Minute (1-300, 0=disabled):	60
Registration Expires Timeout (30-86400 sec):	3600
Registation Window Size (1-304):	10
Retry Timeout (SIP T1) (200-5000 ms):	500
Tries Per Cycle (1-10):	2
Failed Registration Timer (30-86400 sec):	60
T.38 Fax-Relay	
T.38 Signaling:	NSE prefered 💌
T.38 Error Correction Scheme:	Redundancy 💌
T.38 Redundancy	
Ls Redundancy (0-8):	3
Hs Redundancy (0-3):	0

6. Select **OK** to exit window.

- 7. If using the FXS ports, select the **Phone Settings** tab.
- 8. Select the **Action** icon on line #1 to edit.

y Phone Setting	Phone Line Book Monitoring	Trunk Trunk Trur Settings Monitoring Registr	
Line	User ID	Description	Action
V 1	000000001	Line 1	.
2	000000002	Line 2	.
V 3	000000003	Line 3	-
₩4	000000004	Line 4	
	(v k	🕴 Apply 💦 X Cancel	

- 9. Enter the Phone Number in the User ID field.
- 10. Enter Authentication information as needed.
- 11. Select **OK** to apply and exit this window.
- 12. Select **OK** to acknowledge that with these changes, active calls will be dropped.
- 13. Repeat this step for each FXS Line.

ne Settings	
	ne Settings
	ie seuings
Identification	
Begin Line Number:	1
End Line Number:	1
User ID:	000000001
Description:	Line 1
Packet Processing	
Codec Pref1:	G.711u 💙
Codec Pref2:	G.711A 🗸
Codec Pref3:	G.729A 🗸
Fax Mode:	None
Modem/SuperG3 Fax Mode:	None 💌
Silence Suppression:	Enabled
Jitter Buffer:	Static
Voice Processing	
Transmit Gain (-12 though +6):	0
Receive Gain (-12 through +6):	0
Impedance:	USA : 900 Ohms + 2.16uF
Echo Cancellation:	🗹 Enabled
Signaling	
Protocol:	LoopStart 🗸
Calling Party Disconnect (CPD):	Enabled
Calling Features	
Call Waiting:	✓ Enabled
Call Waiting Caller ID:	Enabled
Block Outgoing Caller ID:	Enabled
Authentication	
Authentication:	Enabled
Authentication User ID:	000000001
Authentication Password:	•••••
Logging	
Per Line Logging:	Enabled
Notes:	
Not affected when line ranges used:	User ID, Description, Authen. User ID and Authen. Password

14. The current User ID of the FXS lines will display.

			Voice Over IP		
IP Telephony	Phone Settings	Phone Line Trunk Book Monitoring Setting			
	Line	User ID	Description	Action	
	▼ 1	3035551212	Line 1		
	2	3035551213	Line 2		
	☑ 2 ☑ 3	3035551213 3035551214	Line 2 Line 3	 	

15. Select the Line Monitoring tab. This window displays the SIP status of the FXS ports. Note: When a telephone port is successfully registered the Registration Status column displays "Registered" in green."

Vo	ice Ove	er IP						
				Dice C	ver IP			
-	IP	Phone	Phone Lin		runk	Trunk		
11	elephon	y Settings	Book Monit	oring Settings Mon	nitoring	Registration		
			Reg	gistration Address		SIP Proxy		
			Reg	gistration Address		SIP Proxy X		
*	Line	User ID	Reg Phone Status		RTP RX		Jitter (ms)	Overflow
*	Line 1	User ID 3035551212		192.168.1.150	RTP RX)	X	Jitter (ms)	Overflow
* /			Phone Status	192.168.1.150 Registration Status	RTP RX	X	Jitter (ms)	Overflow

16. Select the **Trunk Settings** tab.

			💮 Voice	e Over IP		
IP Telephony	Phone Settings	Phone Lin Book Monite		Trunk Trunk Ionitoring Registra		
relepitony	Trunk	Description	Connection Type	Interface Type	Signaling Type	Action
<u>г</u>	000000005	Trunk 1	T1	Network	PRI-ni2	

- 17. Select (click) on the trunk to configure.
- 18. Set the **Trunk Signaling** type to PRI or CAS.

- 19. Set the Signaling Type.
- 20. Select **New Entry** to assign numbers to your PRI interface(s).

General		
	X T1 1	
Connection:	▼ T1 2 T1 3	
	T1 4	
Interface Type:	Network	
Trunk Signaling:	PRI 💌	
Signaling Type:	PRI-ni2	
PCM Coding:	u-law	
Terminal Endpoint Identifier:	0	
Identification		7
Trunk ID:	00000005	
Description:	Trunk 1	
Packet Processing		
Codec Pref1:	G.711u 💌	
Codec Pref2:	G.711A 💌	
Codec Pref3:	G.729A 💌	
Fax Mode:	None 💙	
Modem/SuperG3 Fax Mode:	None	
Silence Suppression:	📃 Enabled	
Jitter Buffer:	Static 💌	
Voice Processing		
Transmit Gain (-12 though +6):	0]
Receive Gain (-12 through +6):	0]
Echo Cancellation:	🗌 Enabled	
Authentication		
Authentication:	🔲 Enabled	
Authentication User ID:]
Authentication Password:		
Digit Map		4.
Per Trunk Digit Map	Disabled 🗸	
Destination	Stain Buofia	Action
	Strip Prefix	Action

21. Enter the **phone number range** for numbers to be routed to the trunk interface for incoming SIP calls, on the Call Destination window. Use Strip and Prefix entries to translate the incoming destination number from SIP to the destination number to be sent to the PRI/CAS interface.

Destination: Strip: Prefix: 303 Wildcard Definition: ?: Position-dependant wildcard, can be replaced with any single digit \$: General wildcard, can be replaced with multiple digits. Digits entered after \$ will be ignored. Cancel	Voice Ove	r IP -> Trunk Settings -> Call	Call Destination	
Prefix: Wildcard Definition: ?: Position-dependant wildcard, can be replaced with any single digit \$: General wildcard, can be replaced with multiple digits. Digits entered after \$ will be ignored.		Destination:	218\$	
Wildcard Definition: ?: Position-dependant wildcard, can be replaced with any single digit \$: General wildcard, can be replaced with multiple digits. Digits entered after \$ will be ignored.		Strip:	0	
 ?: Position-dependant wildcard, can be replaced with any single digit \$: General wildcard, can be replaced with multiple digits. Digits entered after \$ will be ignored. 		Prefix:	303	
\$: General wildcard, can be replaced with multiple digits. Digits entered after \$ will be ignored.				
				\$
				()

22. Select **OK** to save and exit this window.

Note: this information will display at the bottom of the Trunk Settings window.

Destination	Strip	Prefix	Action
218\$	0	303	🖶 🖶
New Entry			E.

23. Select **OK** again to return to the Voice Over IP window.

To Chann T1 2_ T1 2_	0 1 C 2 C 3 C 4 C 5 C 6 C 7 C 8 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	ngCalls inactiv inactiv inactiv inactiv inactiv inactiv inactiv inactiv	itatus ve ve ve ve ve ve	0	e ngCalls		Sabm O goingCalls O (Packets)		IetedOutgoing 0 Jitter (ms)	Calls Overfl	ow
Chann T1 2_ T1 2_	Image: Constraint of the second of	ngCalls inactiv inactiv inactiv inactiv inactiv inactiv inactiv inactiv	itatus ve ve ve ve ve ve	dIncomin 0	ngCalls '		goingCalls 0	Comp	letedOutgoing 0		ow
Chann T1 2_ T1 2_	0 1 C 2 C 3 C 4 C 5 C 6 C 7 C 8 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	Channel S inactiv inactiv inactiv inactiv inactiv inactiv inactiv	itatus ve ve ve ve ve ve	0			0	Comp	0		ow
Chann T1 2_ T1 2_	0 1 C 2 C 3 C 4 C 5 C 6 C 7 C 8 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	Channel S inactiv inactiv inactiv inactiv inactiv inactiv inactiv	itatus ve ve ve ve ve ve	0			0		0		ow
T1 2_ T1 2_	1	inactiv inactiv inactiv inactiv inactiv inactiv inactiv	/e /e /e /e	F	RTP RX/1	ſX∕Lost ((Packets)		Jitter (ms)	Overfl	ow
T1 2_ T1 2_	1	inactiv inactiv inactiv inactiv inactiv inactiv inactiv	/e /e /e /e		RTP RX/1	ſX∕Lost (Packets)		Jitter (ms)	Overti	ow
T1 2_ T1 2_	2	inactiv inactiv inactiv inactiv inactiv inactiv	/e /e /e								
T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_	.3 .4 .5 .6 .7 .8	inactiv inactiv inactiv inactiv inactiv	ve ve ve								
T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_	.4 .5 .6 .7 .8	inactiv inactiv inactiv inactiv	/e /e								
T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_ T1 2_1	.5 .6 .7 .8	inactiv inactiv inactiv	/e								
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T1 2_ T1 2_ T1 2_1	.8		/e								
T1 2_ T1 2_1		inactiv	/e								
		inactiv	/e								
T1 2_1	10	inactiv	/e								
	11	inactiv	/e								
T1 2_1	12	inactiv	/e								
T1 2_1	13	inactiv	/e								
T1 2_1	14	inactiv	/e								
T1 2_1	15	inactiv	/e								
T1 2_1		inactiv									
T1 2_1		inactiv									
T1 2_1		inactiv						_			
T1 2_1		inactiv									
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T1 2_2		inactiv inactiv									
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24. Select the **Trunk Monitoring** tab to view the status of any calls on the PRI.